

Product datasheet for **MG216527**

Timd2 (NM_001161355) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Timd2
Synonyms:	AA816106; AU019358; AU019662; C78111; G9D3; TIM-2; Tim2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216527 representing NM_001161355
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATCAGATTCAAGTCTTCATTTTCAGGCCTCACTGCTTCTCCAGGTGCCGTGGAGTCTCATAACAG
CAGTGCAGGGGCTGGCGGGTCACCCGTGCACACTTCCATGTATTTATTCGACACACCTTGGTGGAAATCGT
TCCTATGTGTTGGGGCCTAGGGGAATGCCGCCATTCTATTGTATACGGTCACTTATCTGGACCAATGGA
TATACGGTCACACATCAGAGGAACAGTCTATACCAGCTAAAGGGGAATTTTCAGAAGGAAATGTGTCT
TGACCATAGAGAACAACACTGTTGTGGGTGATGGTGGTCCCTATTGCTGTGTAGTGGAGATACCTGGAGCGTT
CCATTTTGTGGACTATATGTTGGAAGTAAACCAGAAATTTCCACGAGTCCACCAACAAGGCCACAGCT
ACAGGAAGACCCACAACACTTTCAACAAGATCCACACATGTACCAACATCAACCAGAGTCTCTACCTCTA
CTTCTCCAACACCAGCACACAGAGACCTACAAACCAGAGGCCACTACATTTTATCCAGATCAGACTAC
AGCTGAGGTGACAGAAACCTTACCCGATACTCCTGCAGACTGGCATAAACAACACTGTGACATCCTCAGATGAC
CCTTGGGATGATAACACTGAAGTAATCCCTCCACAGAAGCCACAGAAAAACCTGAATAAGGGCTTCTATG
TTGGCATCTCCATTGCAGCCCTGTGATATTGATGCTTCTGAGCACCATGGTTATCACCAGGTACGTGGT
TATGAAAAGGAAGTCAGAATCTCTGAGCTTCGTTGCCCTCCCTATCTCTAAGATTGGAGCTTCCCCAAA
AAAGTGGTTCGAACGGACCAGATGTGAAGACCAGGTCTACATTATTGAAGACACTCCTTACCCTGAAGAAG
AGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216527 representing NM_001161355
 Red=Cloning site Green=Tags(s)

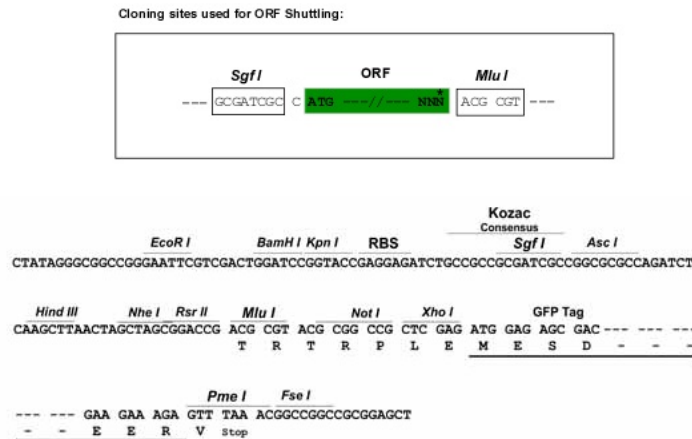
MNQIQVFISGLILLPGAVESHTAVQGLAGHPVTLPCIYSTHLGGIVPMCWGLGECRHSYCI RSLIWTNG
 YVTHQRNSLYQLKGNISEGNVSLTIENTVVGDDGGPYCCVVEIPGAFHFVDYMLEVKPEISTSPPTRPTA
 TGRPTTISTRSTHVPTSTRVSTSTSPTPAHTETKPEATTFYPDQTTAEVTETLPDTPADWHNTVTSDD
 PWDDNTEVIPPQKPKNLNKGFFVVGISIAALLILMLLSTMVITRYVVMKRKSESLSFVAFPI SKIGASPK
 KVVERTRCEDQVYIIEDTPYPEEES

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1717_c07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

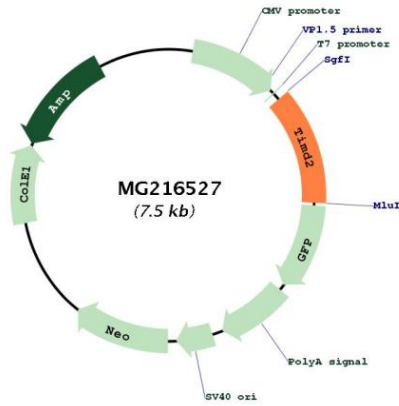


ACCN: NM_001161355

ORF Size: 915 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).</p>
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	<p>Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.</p>
RefSeq:	<p>NM_001161355.1, NP_001154827.1</p>
RefSeq Size:	<p>3153 bp</p>
RefSeq ORF:	<p>918 bp</p>
Locus ID:	<p>171284</p>
UniProt ID:	<p>Q8R183</p>
Cytogenetics:	<p>11 B1.1</p>
Gene Summary:	<p>Probable receptor for SEMA4A involved in the regulation of T-cell function. The interaction with SEMA4A enhances T-cell activation.[UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MG216527